



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



October 22, 2002
Letter of Deficiency
DAM #137.14

Mr. William Willey
Public Works Dept.
Town of Lincoln
P.O. Box 25
Lincoln, NH 03251-0025

RE: Loon Pond Dam, Lincoln

Dear Mr. Willey

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on August 29, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

The concrete is cracked in several places:

- a. A transverse crack was noted at the far right end of the dam, approximately 3 feet from the right abutment;
- b. A transverse crack was noted at the far left end of the dam, approximately 4 feet from the right abutment;
- c. Cracking was noted along the downstream face of the dam to the right of the 6-inch PVC siphon;
- d. The transverse crack, approximately 8 feet to the right of the ledge outcrop, has worsened since 1987, as verified by 1987 file photos;

There was brush along the downstream face of the dam; and

3. There is no operation and maintenance plan (O&M) on file with the DES

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

December 15, 2002:

1. Complete an O&M plan for this dam. Refer to the enclosed guidelines;

September 1, 2003:

2. Repair the cracks in the dam that were noted as follows:
 - a. A transverse crack was noted at the far right end of the dam, approximately 3 feet from the right abutment;
 - b. A transverse crack was noted at the far left end of the dam, approximately 4 feet from the right abutment;

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Cracked was noted along the downstream face of the dam to the right of the 6-inch PVC siphon;

- d The transverse crack, approximately 8 feet to the right of the ledge outcrop, has worsened since 1987, as verified by 1987 file photos; and

A repair plan should be submitted to NHDES and approved prior to implementing the work to repair concrete sections.

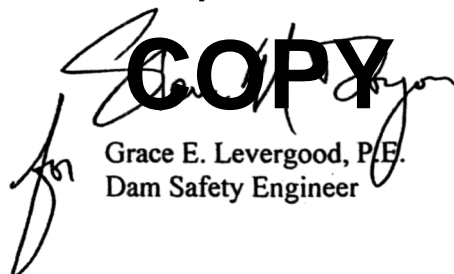
- 3 Remove the brush along the downstream face of the dam.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,


COPY
Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule

Certified # 7000 1670 0000 0586 0974

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